**Note to readers with disabilities:** *EHP* strives to ensure that all journal content is accessible to all readers. However, some figures and Supplemental Material published in *EHP* articles may not conform to 508 standards due to the complexity of the information being presented. If you need assistance accessing journal content, please contact <a href="mailto:ehp508@niehs.nih.gov">ehp508@niehs.nih.gov</a>. Our staff will work with you to assess and meet your accessibility needs within 3 working days.

## **Supplemental Material**

## Ten-Year Monitored Natural Recovery of Lead-Contaminated Mine Tailing in Klity Creek, Kanchanaburi Province, Thailand

Tanapon Phenrat, Ashijya Otwong, Aphichart Chantharit, and Gregory V. Lowry

## **Table of Contents**

- **Table S1** Summary of Data used to Determine Background Pb Concentration Klity Sediment
- **Figure S1.** Ten-year monitoring data of total and dissolved lead concentrations in water at KC1 of the Klity Creek. KC1 is around 0.5 km upstream of the point of spill, KC2.
- Figure S2. Pb concentration in LCS over 28 km of Klity Creek in 2014.
- **Figure S3.** Size distributions of LCMT (KT3P), dredged LCMT (KT2W), LCS in the Klity Creek 15 years after the spill (KC4), and natural uncontaminated sediment (KT4P)
- **Figure S4.** The linear relationship between turbidity (NTU) of the water from Klity Creek and the concentration of dispersible Klity sediment in the same water sample
- Figure S5. Pb concentration in *Metapenaeus affinis* at each sampling station
- **Figure S6.** Linear correlations between Pb concentrations in Klity sediment and Metapenaeus affinis caught at each sampling station using both 50% UCL and 95% UCL Pb levels at each station
- **Figure S7.** Total Pb concentrations in water at KC2 (a) and KC5 (b). Red symbols, blue symbols, and grey symbols represent the sediment samples collected in the dry seasons (mid-

February to mid-May), rainy seasons (mid-May to mid-October), and winter seasons (mid-October to mid-February), respectively.

**Figure S8.** (a) Average rainfall from 1981 to 2010 in Kanchanaburi's Thong Pha Phum district and (b) maximum rainfall (mm) and day of rainfall (day) from the 36<sup>th</sup> to 120<sup>th</sup> month at Kanchanaburi's Thong Pha Phum district.

**Figure S9.** Total Pb concentrations in sediment at KC2 (a) and KC5 (b). Red symbols, blue symbols, and grey symbols represent the sediment samples collected in the dry seasons (mid-February to mid-May), rainy seasons (mid-May to mid-October), and winter seasons (mid-October to mid-February), respectively.